

INTERNATIONAL SEARCH REPORT

GB2004/004718

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B01D29/23

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 604 203 A (KYLE ROBERT C) 5 August 1986 (1986-08-05) abstract; figures 1,2	4-8, 15, 17-21, 24, 32, 33, 39, 45-47
X	EP 0 278 080 A (BINZER PAPIERFAB J) 17 August 1988 (1988-08-17) abstract; figure 1	4-8, 15, 16, 19, 32, 36, 37, 45-47
A	US 3 849 312 A (WECKER W) 19 November 1974 (1974-11-19) abstract; figures 1-8 ----- -/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

13 January 2005

Date of mailing of the international search report

24/01/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>GB 2 067 085 A (RIENSCH & HELD)</p> <p>22 July 1981 (1981-07-22)</p> <p>abstract; figures 1,2</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

6B2004/004718

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4604203	A	05-08-1986	AU 577620 B2	29-09-1988
			AU 4771885 A	08-04-1986
			BR 8506920 A	09-12-1986
			DE 3574820 D1	25-01-1990
			EP 0195022 A1	24-09-1986
			JP 62500147 T	22-01-1987
			WO 8601702 A1	27-03-1986
EP 0278080	A	17-08-1988	DE 8701190 U1	12-03-1987
			EP 0278080 A1	17-08-1988
US 3849312	A	19-11-1974	NONE	
GB 2067085	A	22-07-1981	DE 7936695 U1	12-06-1980
			BE 886820 A1	16-04-1981
			FR 2472368 A3	03-07-1981